

PO Box 1890 Guayama, PR 00785 tel 787 866 8117 fax 787 866 8139 www.aespuertorico.com

Julio 15, 2016

Chief, Multimedia Permits and Compliance Branch Caribbean Environmental Protection Division U.S. Environmental Protection Agency, Region 2 City View Plaza II, Suite 7000 48 RD. 165 Km. 1.2 Guaynabo, Puerto Rico 00968-8069

RE:

Administrative Order on Consent Docket Number CWA-02-2015-3102 – Compliance with AOC Section VII, ¶77 6<sup>th</sup> Quarterly Progress Report

Dear Jose:

On March 18, 2015 AES Puerto Rico LP ("AES-PR") and the United States Environmental Protection Agency ("EPA") entered into the above referenced Administrative Order on Consent ("AOC"), under which AES-PR is obligated to comply with certain requirements (AOC Section VII, Ordered Provisions). All capitalized terms in this letter shall have the meaning as defined in the AOC.

Under AOC Section VII ¶77, Until Termination of this Order, Respondent shall prepare and submit Quarterly Progress Reports (QPR) that describe the current status and progress of Respondent's actions taken to comply with the provisions of this Order.

In compliance with the new AOC requirement, AES-PR hereby submits the required QPR for Q-2 2016 as an attachment to this letter.

We respectfully ask EPA to advise AES-PR promptly, should the agency have any concerns with this submission. Should AES-PR not receive any timely comments from EPA, we will reasonably consider that EPA has agreed that AES-PR has satisfied this requirement of AOC Section VII, ¶77 in full. Should EPA require additional time to review and provide comments back to AES-PR, that review time is of course entirely beyond the control of AES-PR and should be added to the required time frame for AES-PR to comply with this requirement.

Regards,

Manuel Mata

President AES Puerto Rico

Attachments

Administrative Order on Consent AES Puerto Rico Coal Fired Power Plant Docket Number CWA-02-2015-3102 NPDES Tracking Number PRU020663

#### Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Manuel Mata

President AES Puerto Rico

7-14-2016

Date



## Quarterly Progress Report (QPR) No. 6

Administrative Compliance Order AES-PR Coal Fired Power Plant Docket Number CWA-02-2015-3102

July 15, 2016

AES Puerto Rico, LP (AES-PR) is hereby submitting to the United States Environmental Protection Agency (USEPA) this Quarterly Progress Report (QPR) in accordance with Provision 77 of the Administrative Compliance Order (ACO), Docket Number CWA-02-2015-3102.

### **Milestones and Activities**

This reporting period covers the actions taken from **April 1, 2016** to **June 30, 2016**. During this reporting period AES-PR completed a number of actions towards meeting the Provisions of this ACO, including:

- 1- Ordered Provision 68 Upon the Effective Date of this Order and for a period of one year, Respondent shall conduct benchmark monitoring and analyze samples according to Part 6.1.3 (measurable storm event), Part 6.1.4 (sample type), Part 6.1.5 (adverse weather condition), Part 6.1.7 (monitoring periods), Part 6.2.1.1 (applicability of benchmark monitoring), Part 6.2.1.2 (benchmark monitoring schedule), Part 8.O.7 (sector-specific benchmark for steam electric power generating facilities) and Part 8.Q.6 (sector-specific for water transportation) of the MSGP. Also, Respondent shall:
  - a. monitor at least once at the permanent sampling points 001, 002, and 003 (SP-001, SP-002, and SP-003, respectively) in each of the following 3-month intervals: January 1 March 31; April 1 June 30; July 1 September 30; and October 1 December 31;
  - b. analyze the samples for total aluminum, total iron, total lead and total zinc;
  - c. document monitoring activities and laboratory reports for each sampling point; and
  - d. prepare MDMR forms within thirty (30) days of receiving the laboratory results. Respondent shall use the MDMR available at the EPA's web site at http://water.epa.gov/polwaste/npdes/stormwater/.

Docket Number CWA-02-2015-3102

AES-PR personnel monitored permanent sampling points 001, 002, and 003 during April

1 – June 30, 2016. Samples were analyzed for total aluminum, total iron, total lead and

total zinc. Laboratory reports for sampling points were received on April 21, 2016

(Attachment 1).

2- Benchmark Monitoring Results

The Q2-2016 benchmark monitoring results for the three storm water outfalls are

summarized in the tables and graphs included in **Attachment 2**.

Monitoring results for sampling point 001 indicate a decrease in storm water aluminum

and iron concentrations. Storm water monitoring parameters were all below benchmark

value during this monitoring period.

At sampling point 002, monitoring results showed a reduction in aluminum and iron

concentration compared to the first quarter. Results indicated that aluminum and iron

concentrations in samples were above benchmark values. Corrective actions were

completed in order to comply with part 6.2.1 of the MSGP 2015. The selection, design,

installation, and implementation of control measures were reviewed and evaluated in the

field.

As a corrective action, the wash station exit road located east of the limestone dome and

other selected plant road areas were improved with asphalt. Also, a segment of the south

plant road entrance was paved in order to eliminate the erosion potential from that area.

In addition, the rip rap located at the south side of the facility (Gate #3, close to sampling

point 002) was improved.

Stormwater monitoring parameters at sampling point 003 were all below benchmark

value during this monitoring period. Results indicated that the control measures have

been working effectively and that no BMP modifications are necessary for that drainage

area.

#### 3- Additional Actions Taken

AES-PR is submitting with this QPR the compliance activities completed during this period (Attachment 3). It includes visual inspections and monitoring activities conducted for all plant storm water outfalls. Inspection results were documented and records kept with the Stormwater Pollution Prevention Plan. All the routine site inspections and corrective actions for the April 1, 2016 to June 30, 2016 period were completed, documented and are being submitted with this report.

### 4- Activities for Next Reporting Period

During the next reporting period, AES will continue conducting benchmark monitoring and sampling as required in AOC provision 68.

### Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Manuel Mata Plant Manager

## **ATTACHMENT 1**

Discharge Monitoring Report

Permit										
Permit #:		PRR053093	Permittee:	٩	AES PUERTO RICO, LP	Facility:		<b>AES PUERT</b>	AES PUERTO RICO, L.P.	
Major:		No O	Permittee Address:		Road #3 km. 142 Jobos Ward Guayama, PR 00784	Facility Location:	ocation:	ROAD #3 KN GUAYAMA,	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784	4RD
Permitted Feature:	Feature:	001 External Outfall	Discharge:	00	001-01 Steam Electric Generating Facilities					
Report Da	Report Dates & Status	CHICAGO TO CHICAGO	Taken Days		011201	·		Latebile V GM Chall	7	
Considera	Considerations for Form Completion	m Completion			2					
Principal	Principal Executive Officer	joer								
First Name:	ö	Manuel	Title:	ш	Plant Manager	Telephone:	10:	787-866-8117	1	
Last Name:	ë	Mata								
No Data Ir	No Data Indicator (NODI)	00								
Form NODI:	::	1								
Parameter		Monitoring Location Season # Param, NODI		Quantity or Loading	the Atlanta Confident of Value of Con-	Quality or Concentration	n Value 9		# of Ex. Frequency of Analysis Sample Type	sis Sample Type
Code	Name			Value I Qualific	of a value a Onits Qualifier I value I Qualifie	ון ל אשותה ל כלחשווות	o value o			COST CONTRACTOR SOCIONARIO
1045 Iron, to	01045 Iron, total [as Fe] 1 - Effluent Gross	went Gross 0	Sample Permit Req. Value NODI			n V	0.733 19 - mg/L 1 MAXIMUM 19 - mg/L		01/90 - Quarterly 01/90 - Quarterly	GR - GRAB
Submission Note	on Note									
If a parameter Sample Type.	eter row does r rpe.	not contain any values for the San	nple nor Effluent Trad	ding, then none	If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.	id for that row: Unit	its, Number of E	Excursions, Fr	requency of Analy	sis, and
Edit Check Errors	k Errors									
No errors.										
Comments	S									
Attachments	nts									
No attachments.	nts.									
Report La	Report Last Saved By									
AES PUE	AES PUERTO RICO, LP									
User:	pedro.laba)	pedro.labayen@aes.com			Date/Time:	2016-05-	2016-05-23 09:18 (Time Zone: -04:00)	me Zone: -04:(	(00	
Name:	Pedro Labayen	ibayen .								
E-Mail:	pedro.labay	pedro.labayen@aes.com								

Permit #:	PRR053093		Permittee:	AES PUERTO RICO, LP	Facility:	AES PUERTO RICO, L.P.	
Major:	Š		Permittee Address:	Road #3 km. 142 Jobos Ward Guayama, PR 00784	Facility Location:	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784	WARD
Permitted Feature:	001 External Outfall	tfall	Discharge:	001-Q1 Water Transportation Facilities			
Report Dates & Status							
Monitoring Period: From 04/f Considerations for Form Completion	From 04/01. orm Completion	From 04/01/16 to 06/30/16 ompletion	DMR Due Date:	07/31/16	Status:	NetDMR Validated	
Principal Executive Officer	Hiser						
First Name:	Manuel		Title:	Plant Manager	Telephone:	787-866-8117	
Last Name:	Mata				-		
No Data Indicator (NODI)	(Iac		-				
Form NODI:	ł						
Parameter	Monitoring Locatio	Monitoring Location Season # Param. NODI	Quant	Quantity or Loading	Quality or Concentration		# of Ex. Frequency of Analysis Sample Type
Code Name				Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Value 2 Qualifier 3 Value 3 Units	Qualifier 2 Value 2 Qualifier 3 Value 3		
		,	Sample			19 - mg/L	
01045 Iron, total (as Fe)	1 - Effluent Gross	1	Permit Req.		→ 1 MAXIMUM	M 19 - mg/L 01/90 - Quarterly	rly GR - GRAB
			Sample		o 0.002	19 - mg/L 01/90 - Quarterly	dy GR - GRAB
01051 Lead, total [as Pb]	1 - Effluent Gross		Permit Req.		CE 21 MAXIM	.21 MAXIMUM 19 - mg/L 01/90 - Quarterly	dy GR - GRAB
			Sample		06	28 - uo/L 01/90 - Quarterly	SR - GRAB
01092 Zinc, total [as Zn]	1 - Effluent Gross		Permit Req.		<= 90 MAXIMU		
			Sample		= 0.682	19 - mg/L 01/90 - Quarterly	ty GR - GRAB
01105 Aluminum, total [as Al] 1 - Effluent Gross	1 - Effluent Gross	1	Permit Req.		WIXWWXIM	.75 MAXIMUM 19 - mg/L 01/90 - Quarterly	ty GR - GRAB
Submission Note							
f a parameter row does fype.	s not contain any v	alues for the Sample n	or Effluent Trading, then n	If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row. Units, Number of Excursions, Frequency of Analysis, and Sample Type.	ed for that row: Units, Number of E	xcursions, Frequency of Analy	is, and Sample
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No errors.							
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AES PUERTO RICO, LP	ď						
User: pedro.lab	pedro.labayen@aes.com			Date/Time:	2016-05-23 09:20 (Time Zone: -04:00)	(Time Zone: -04:00)	
Name: Pedro Labayen	Labayen						
	pedro labaven@aes com						





### REPORT OF ANALYSIS

ATTENTION:

Mr. Héctor Ávila

COMPANY:

AES Puerto Rico - Guayama

DATE: April 14, 2016

CONTRACT: AES - Guayama

LAB. SAMPLE ID: BEL-1601057

**SAMPLE DATE: 04/01/16** 

**DESCRIPTION:** Stormwater #001

SAMPLE COLLECTED BY: Client (P. Labayen)

TIME: 5:51 AM

LAB. FILE ID: 1601057

DATE RECEIVED: 04/04/16

MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1601057 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	0.682	0.005	BTR	04/08/16
Iron	200.7(ICAP)	Grab	mg/L	0.733	0.010	BTR	04/08/16
Lead	200.7(ICAP)	Grab	mg/L	< 0.002	0.002	BTR	04/08/16
Zinc	200.7(ICAP)	Grab	mg/L	0.090	0.002	BTR	04/08/16

<sup>\*</sup>Standard Methods for the Examination of Water and Waste Water 20th Edition, 1999.

Iris M. Chevere

Alfonzo

ic. # 2370

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo Laboratory Director Chemist License 2370

Attachment: Chain of Custody Recor

PAGE 1 OF 1

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.

REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.

CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING

\*CERTIFICATION NUMBER E87556\*

CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012 192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

192 Villa Street • Ponce, P.R. 00730-4875

Tel. 787-841-7373 • Fax 787-841-7313

### CHAIN OF CUSTODY RECORD

SAMPLE LOCATION/CLIEN		AES GMA.	SAMPLER Pedro Labagea
	NT ID	StormWater #	00/ TIME 5:51 (AM) CONTROL NO.
SAMPLE DATE		4-1-16	BEL. NO. 1601057 . 185890
1. General Environmental:	PC	VSS P	
Acidity ( )	***	Alkalinity ( )	Date/Time:
Ammonia as N ( )	-	Bicarbonate ( )	- Relinquished by:
BOD-5 ( )			- Natu & Jaken
Chloride ( )	-	Chlorine, Res. ( ) Color (ADMI) ( )	
Conductivity µmhos/cm ( )		Color (Pt-Co)	- Date/Time: 4-4-16 11:15 Au
Dissolved Oxygen ( )		Cyanide ( )	Received by:
Hardness ( )		-	Edla)
Moisture % ( )		lodide ( )	D-4-/Time // // // // // // // // // // // // //
Nitrite ( )		Nitrate ( ) _	Date/Time: 4-4-16 / 1:15-Am
Oil+Grease ( )	-	Nitrate + Nitrite ( )	Relinquished by:
Phenol ( )	******	pH, S.U.	- Edge
Phosphorus, Total ( )	-	Phosphate, Ortho ( ) Sett. Solids mL/L ( )	Date/Time: 4-4-16 1154
Sett Solids mg/L ( ) Sulfate ( )		Calida Tarat	
Sulfite ( )		0.101	Received by:
rDS ( )		Surfactant ( )	- Aly help
Temperature, "C ( )		-	Date/Time: 4/4/16 15 CUPM
TOC ( )	annual part	TKN ( )	Dute, Time.
Asbestos ( )		Turbidity ( )	Relinquished by:
TVS ( )	**********	Carbonate ( ) _	-
Total Nitrogen ( )	no enterest		D-4-/T:
. Metals:	,		Date/Time:
Aluminum (Al)	-	Cadmium (Cd) ( )	<ul><li>Received by:</li></ul>
Chromium (Cr) ()		Copper (Cu) ( )	
ron (Fe) (X)		Lead (Pb)	Date/Time:
Manganese (Mn) ( )		Mercury (Hg) ( ) _ Selenium (Se) ( )	Date/Time.
Silver (Ag) ( )	-	Tin (Sn) ( )	
Zinc (Zn) (X)	I	Arsania (As) ( )	
Barium (Ba) ( )		Boron (B) ( )	– air ( ) water <b>火</b> ) sludge ( )
Antimony (Sb) ( )		Beryllium (Be) ( )	liquid ( ) soil ( ) solid ( )
Bismuth (Bi) ( )		Calcium (Ca) ( )	oil () mixed () other ()
Chromium, VI (CrVI) ( )	-	Cobalt (Co) ( )	
Magnesium (Mg) ( )		Molybdenum (Mo) ( )	Specify:
Potassium (K) ( )		Silicon (Si) ( ) _	
Sodium (Na) ( ) Thallium (T1) ( )		Strontium (Sr) ( ) _ Titanium (Ti) ( ) _	Preservative Codes = PC
Fhallium (TI) ( ) √anadium (V) ( )		Titanium (Ti) ( ) _ Lithium (Li) ( )	
(1) ( )			- 1 Cool <6°C
3. RCRA/Hazardous wastes			1. Cool,<6°C 6. Sodium Hydroxide(NaOH)
Ignitability (Flash Pt.)( )		Corrosivity ( )	2. Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> ) pH<2 7. Zinc Acetate
Reactivity (CN & S) ( )	-	TCLP ( )	3. Nitric Acid (HNO <sub>3</sub> ), pH<2 8. Ascorbic Acid
RCRA Metals ( )		Organics-Pest/Herb ( )	4. Hydrochloric acid (HCl) 9. FAS
Organics-BNA ( )		Organics-VOA ( )	ALCO ACCOUNTS AND
fox ( )	**********		5. Sodium Thiosulfate 10.Other
4. Specific Organics		Phenols GC ( )	Comple tops logger de
Volatiles ( )		Semi-Volitiles (BNA) ( )	Sample type legend:
Pesticides/PCB's ( )		PCB's Only ( )	– grab samples x
Herbicides ( )	_	TPH 418.1 ( )	composite samples xx
STEX ( )		TTO ( )	
TTO & Dioxin ( )	-	TPH 8015 ( )	Turnaround time: Sampling Equipment:
		Lindane ( )	
			1 day ( ) Automatic Sampler ( )
5. Microbiology		Total California ( )	
5. Microbiology Fecal Coliform ( )		Total Coliform ( )	= 2 days ( ) Sample Pick Un ( )
and the second because the second		Total Collorm ( ) _	- 2 days ( ) Sample Pick Up ( )
Fecal Coliform ( )	and the second second	Total Collorm ( ) _	3 days ( )
		Total Colliom ( ) _	
Fecal Coliform ( )		Total Colliom	3 days ( )

Permit							
Permit #:	PRR063093	Permittee:	AES PUERTO RICO, LP	Facility:	AES	AES PUERTO RICO, L.P.	
Major:	8	Permittee Address:	Road #3 km. 142 Jobos Ward Guayama, PR 00784	Facility Location:		ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784	
Permitted Feature:	002 External Outfall	Discharge:	002-01 Steam Electric Generating Facilities				
Report Dates & Status	sn;						
Monitoring Period:	From 04/01/16 to 06/30/16	DMR Due Date:	07/31/16	Status:	NetD	NetDMR Validated	
Considerations for Form Completion	Form Completion			-			
Principal Executive Officer	Officer						
First Name:	Manuel	Title:	Plant Manager	Telephone:	787-8	787-866-8117	
Last Name:	Mata						
No Data Indicator (NODI)	(IOD)						
Form NODI:	ı						
Parameter	Monitoring Location Season # Param. NODI		Quantity or Loading Qualit	Quality or Concentration		# of Ex. Frequency of Analysis Sample Type	Sample Type
Code Name		Qualifier 1 Value 1 Q	Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Value 2 Qualifier 3 Value 3 Units	2 Value 2 Qualifier 3	Value 3 Units		
		Sample		.4	4.69 19 - mg/L	01/90 - Quarterly	GR - GRAB
X 01045 Iron, total [as Fe] 1 - Effluent Gross	1 0	Permit Reg.		0	1 MAXIMUM 19 - mg/L	01/90 - Quarterly	GR - GRAB
		Value MODI					

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row. Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

	Parameter	Manufacture I amobien		ļ	9	
Code	Name	Monitoring Location	D D	iype	nescription	Acknowledge
1045	01045 Iron, total [as Fe]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	Soft The provided sample value is outside the permit limit, (Error Code: 1)	Yes
Comments	ts.					
Attachments	nnts					
No attachments.	ints.					
sport La	Report Last Saved By					
ES PUE	AES PUERTO RICO, LP					
User:	pedro.labayen@aes.com	@aes.com	_	Date/	Date/Time: 2016-05-23 09:27 (Time Zone: -04:00)	(0)
Name:	Pedro Labayen	en				
E-Mail:	pedro.labayen@aes.com	@aes.com				

	No			The second secon				
Permitted Feature:			Permittee Address:	Road #3 km. 142 Jobos Ward Guayama, PR 00784	ard Facility Location:	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784	12 JOBOS WARD	0
	002 External Outfall		Discharge:	002-Q1 Water Transportation Facilities	rties			
tus								
Monitoring Period: From 04/6 Considerations for Form Completion	From 04/01/16 to 06/30/16 ompletion	06/30/16	DMR Due Date:	07/31/16	Status:	NetDMR Validated	2	
Principal Executive Officer								
First Name:	Manuel		Title:	Plant Manager	Telephone:	787-866-8117		
Last Name:	Mata				-			
No Data Indicator (NODI)			-					
Form NODI:	1							
meter	Monitoring Location Season # Param. NODI	leason # Param. N		Quantity or Loading	Quality or Concentration		# of Ex. Frequency of Analysis Sample Type	sis Sample Typ
Code Name				Qualifier 2 Value 2 Units Qualifier 1	ualifier 3	Units		
X 01045 Iron, total [as Fe]	1 - Effluent Gross 0	1	Permit Red.		4.69	19 - mg/L XIMUM 19 - mg/L	01/90 - Quarterly 01/90 - Quarterly	GR - GRAB
			Samole		\$ 0000	19 - ma/	01/90 - Quarterly	GRAP. GRAP
01051 Lead, total [as Pb] 1.	1 - Effluent Gross 0	1	Permit Req.			XIMUM 19 - mg/L	01/90 - Quarterly	GR - GRAB
			Sample		# 64		01/90 - Quarterly	GR - GRAB
01092 Zinc, total [as Zn] 1	1 - Effluent Gross 0		Permit Req. Value NODI		W 06 m>		01/90 - Quarterly	GR - GRAB
			Sample		H 80	19 - mg/L 0	01/90 - Quarterly	GR - GRAB
X 01105 Aluminum, total [as Al] 1 - Effluent Gross	Effluent Gross 0	1	Permit Reg. Value NODI		.75 M		01/90 - Quarterly	GR - GRAB
Submission Note								
If a parameter row does not o	ontain any values	for the Sample	nor Effluent Trading, then none	of the following fields will be su	If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row. Units, Number of Excursions, Frequency of Analysis, and Sample Type.	f Excursions, Frequency o	of Analysis, and S	Sample Type.
Parameter								
Code Name	Monito	Monitoring Location	Field	Туре	Description	lon	A	Acknowledge
01045 Iron, total [as Fe]	1 - Effluent Gross	Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	nit limit. (Error Code: 1)		Yes
01105 Aluminum, total [as Al]	J 1 - Effluent Gross	Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	nit limit. (Error Code: 1)		Yes
Comments								
Attachments No attachments. Report Last Saved By								
AES PUERTO RICO, LP								
User: pedro.labayen@aes.com	@aes.com			Date/Time:	2016-05-23 09:2	2016-05-23 09:29 (Time Zone: -04:00)		
	ea ea							





#### REPORT OF ANALYSIS

ATTENTION:

Mr. Héctor Ávila

COMPANY:

AES Puerto Rico - Guayama

DATE: April 14, 2016

CONTRACT: AES - Guayama

LAB. SAMPLE ID: BEL-1601058

SAMPLE COLLECTED BY: Client (P. Labayen) TIME: 9:36AM

**SAMPLE DATE: 04/01/16** 

**DESCRIPTION:** Stormwater #002

LAB. FILE ID: 1601058

DATE RECEIVED: 04/04/16

MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1601058 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	8.30	0.005	BTR	04/08/16
Iron	200.7(ICAP)	Grab	mg/L	4.69	0.010	BTR	04/08/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	04/08/16
Zinc	200.7(ICAP)	Grab	mg/L	0.064	0.002	BTR	04/08/16

<sup>\*</sup>Standard Methods for the Examination of Water and Waste Water 20<sup>th</sup> Edition, 1999.

OCIADO

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Al Laboratory Director Chemist License 2370

Attachment: Chain of Custody

M. Chévere Alfonzo

PAGE 1 OF 1

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS. REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES. CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING **•CERTIFICATION NUMBER E87556•** 

CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012 192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

192 Villa Street • Ponce, P.R. 00730-4875 Tel. 787-841-7373 • Fax 787-841-7313

### CHAIN OF CUSTODY RECORD

PROYECT NO. COMI	PANY AES	Gm.	1.	SAMPLER P. Laboyen
SAMPLE LOCATION/CLIENT ID	Stormi	nter	Ħ	OOL TIME 9:36 AM CONTROL NO.
SAMPLE DATE	4-	-1-1	6	BEL. NO. 160105-8 185891
General Environmental: PC			PC	SamplingWitness;
Acidity ( )	Alkalinity	( )		Date/Time:
Ammonia as N ( )	Bicarbonate	( )		Relinquished by:
BOD-5 ( ) Chloride ( )	_ Bromide Chlorine, Res.	( )		Telle O, her
COD	Color (ADMI)	( )		Data/Times 4-1/-/
Conductivity µmhos/cm ( )	- C. I. D. C.	( )	-	Date/Time: 4-4-16 11-15 Ay
Dissolved Oxygen ( )	Cyanide	( )		Received by:
Hardness ( )	Fluoride	( )		Called
Moisture % ( )	lodide	( )	-	Date/Time: 4-4-16 /1:15 Am
Nitrite ( )	Nitrate	( )	-	
Oil+Grease ( )	Nitrate + Nitrite pH, S.U.	( )		Relinquished by:
Phenol ( ) Phosphorus, Total ( )	Phosphate, Ortho	( )		Talled
Sett Solids mg/L ( )	Sett. Solids mL/L	( )		Date/Time: 4-4-16 756PM
Sulfate ( )	Solids, Total	( )		Received by:
Sulfite ( )	Sulfide	( )	-	Received by:
TDS ( )	Surfactant	( )		C/4, NOT/
Temperature, °C ( )	TSS	( )		Date/Time: 4/4/16 1256 m
TOC ( )	TKN	( )	-	Relinquished by:
Asbestos ( )	Turbidity Carbonate	( )	-	Kennquished by.
Total Nitrogen ( )	Carbonate	( )	-	
2. Metals:	-			Date/Time:
Aluminum (Al)	Cadmium (Cd	) ( )	*****	Received by:
Chromium (Cr) ( )	Copper (Cu			Roberted by.
Iron (Fe)	Lead (Pb)	/	-	D-4-/T'
Manganese (Mn) ( )	Mercury (Hg			Date/Time:
Nickel (Ni) ( )	Selenium (Se)		-	Matrix
Silver (Ag) ( )	_ Tin (Sn) Arsenic (As			Matrix
Barium (Ba) ()	Boron (B)	( )	-	air ( ) water 🔀 sludge ( )
Antimony (Sb) ( )	Beryllium (Be	) ( )		liquid ( ) soil ( ) solid ( )
Bismuth (Bi) ( )	Calcium (Ca			oil ( ) mixed ( ) other ( )
Chromium, VI (CrVI) ( )	Cobalt (Co			on ( ) mined ( ) other ( )
Magnesium (Mg) ( )	Molybdenum (Mo		***************************************	Specify:
Potassium (K) ( )	_ Silicon (Si)			~P******
Sodium (Na) ( )	Strontium (Sr) Titanium (Ti)			Preservative Codes = PC
Thallium (Tl) ( ) Vanadium (V) ( )	Titanium (Ti) Lithium (Li)			
Tanadium (Y) ( )	(L1)	, ,		1 Cool <60C 6 Sodium Hudrovida(NaOH)
3. RCRA/Hazardous wastes				1. Cool,<6°C 6. Sodium Hydroxide(NaOH)
Ignitability (Flash Pt.)( )	Corrosivity	( )	-	2. Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> ) pH<2 7. Zinc Acetate
Reactivity (CN & S) ( )	TCLP	( )	-	3. Nitric Acid (HNO <sub>3</sub> ), pH<2 8. Ascorbic Acid
RCRA Metals ( )	Organics-Pest/Her			4. Hydrochloric acid (HCl) 9. FAS
Organics-BNA ( )	Organics-VOA	( )		5. Sodium Thiosulfate 10.Other
TOX ( )				
4. Specific Organics	Phenols GC	( )	****	Sample type legend:
Volatiles ( )	Semi-Volitiles (BN	NA) ( )	****	grab samples x
Pesticides/PCB's ( )	PCB's Only TPH 418.1	( )		
Herbicides ( ) BTEX ( )	TPH 418.1	( )		•
TTO & Dioxin ( )	TPH 8015	( )		Turnaround time: Sampling Equipment:
( ) _	Lindane	( )		
5. Microbiology				1 day ( ) Automatic Sampler ( )
Fecal Coliform ( )	Total Coliform	( )		2 days ( ) Sample Pick Up ( )
				3 days ( )
Comments:				
				5 days ( )
				Note: normal turnaround time is ten (10) working days;
				additional charges apply for rush orders.

Permit								
Permit #: Major:	L Z	PRR053093 No	Permittee: Permittee Address:	AES PUERTO RICO, LP Road #3 km. 142 Jobos Ward Guayama, PR 00784	Facility: Facility Location:	AES PUERTO RICO, I ROAD #3 KM. 142 JOS GUAYAMA, PR 00784	AES PUERTO RICO, L.P. ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784	۵
Permitted Feature:		003 External Outfall	Discharge:	003-01 Steam Electric Generating Facilities				
Report Dates & Status Monitoring Period: Considerations for For	form	From 04/01/16 to 06/30/16 Completion	DMR Due Date:	07/31/16	Status:	NetDMR Validated	lidated	
Principal Exe	Principal Executive Officer							
First Name:	2	Manuel	Title:	Plant Manager	Telephone:	787-866-8117	17	
Last Name:	-	Mata						
Vo Data Indi	oator (NODI)							
Form NODI:			See Appendix		Ouellet or Concentration	# of Ex	of Ex. Frequency of Analysis Sample Type	Sample Type
Sode Name		Monitoring Location Season # Param. NOD!	Qualifier 1 Value 1 Qua	lue 2 Units Qualifier 1 Value 1 Qui	alue 2 Qualifier 3 Value 3			
1045 Iron. total	01045 Iron, total [as Fe] 1 - Effluent Gross	1	Sample Permit Reg.		= 0.186 19 - mg/L <= 1 MAXIMUM 19 - mg/L	19 - mg/L 19 - mg/L	01/90 - Quarterly 01/90 - Quarterly	GR - GRAB GR - GRAB
			Value NOD!					
ezon uoissimans	Note		: : : : : : : : : : : : : : : : : : : :		The state of the s	T. Carrieron C.	simple of American	7
If a parameter Sample Type.	er row does not	contain any values for the Samp	ple nor Effluent Trading, then n	If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following helds will be submitted for that fow, units, number of Excusions, reducing or Analysis, and Sample Type.	that row: Units, Number of	r Excursions, r	requericy or Ariarysis	2 8
Edit Check Errors	Errors							
No errors.								
Comments								
Attachments								
No attachments.								
Report Last Saved By	Saved By							
AES PUERT	AES PUERTO RICO, LP							
User:	pedro.labayen@aes.com	i@aes.com		Date/Time:	2016-05-23 09:31 (Time Zone: -04:00)	Time Zone: -04	(00:	
Name:	Pedro Labayen	yen						
F.Mail:	pedro.labayen@aes.com	од вез сош						

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Permit #:	PREDEZOSS			T CHUTIN OTA	010010	Essilière.	Δ	DI IL	00000	
	0000001111		Fermittee:	AES PUERIO RICO, LP	100°, E	racinty.		ירם ו סרוי	AES PUERTO RICO, L.P.	
Major:	No		Permittee Address:	Road #3 km. 142 Jobos Ward Guayama, PR 00784	2 Jobos Ward 0784	Facility Location:		SOAD #3 K	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784	
Permitted Feature:	003 External Outfall	III a	Discharge:	003-Q1 Water Transportation Facilities	tation Facilities					
Report Dates & Status										
Monitoring Period:	From 04/01/	From 04/01/16 to 06/30/16	DMR Due Date:	07/31/16		Status:	z	NetDMR Validated	alidated	
Considerations for Form	m Completion									
Principal Executive Officer	ficer									
First Name:	Manuel		Title:	Plant Manager		Telephone:	7	787-866-8117	17	
Last Name:	Mata									
No Data Indicator (NODI)	(ic									
Form NODI:	ı									
Parameter	Monitoring Locatio	Monitoring Location Season # Param, NODI		Quantity or Loading	J	Quality or Concentration			# of Ex. Frequency of Analysis Sample Type	Sample Type
Code Name			Qualifier 1	Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Value 2 Qualifier 3 Value 3	Qualifier 1 Value 1 Qualif	ler 2 Value 2 Guairfler 3		19 - ma/l	01/90 - Quarterly	GR - GRAB
01045 Iron, total [as Fe]	1 - Effluent Gross	1	Permit Req.				MOM	19 - mg/L	01/90 - Quarterly	GR - GRAB
			Value NODI			٧	0 00 0	19 - ma/L	01/90 - Quarterly	GR - GRAB
01051 Lead, total [as Pb]	1 - Effluent Gross	1 0	Permit Req.				AXIMUM	9 - mg/L	01/90 - Quarterly	GR - GRAB
			Sample Sample			11	36 2	28 - ug/L	01/90 - Quarterly	GR - GRAB
01092 Zinc, total [as Zn]	1 - Effluent Gross	1	Permit Req.			B	90 MAXIMUM 28 - ug/L	28 - ug/L	01/90 - Quarterly	GR - GRAB
			Sample NOD!				0.206	19 - ma/L	01/90 - Quarterly	GR - GRAB
01106 Aluminum, total [as Al] 1	1 - Effluent Gross	1	Permit Req.			B	.75 MAXIMUM 19 - mg/L	19 - mg/L	01/90 - Quarterly	GR - GRAB
Submission Note			Value MODI							
If a parameter row does Type.	not contain any v	alues for the Samp	ile nor Effluent Trading, t	If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row. Units, Number of Excursions, Frequency of Analysis, and Sample Type.	ds will be submitted for	or that row: Units, Nu	ımber of Excur	rsions, Fre	quency of Analysis, and	Sample
Edit Check Errors										
No errors.										
Comments										
Attachments										
No attachments.										
Report Last Saved By										
AES PUERTO RICO, LP	ь .									
User: pedro.lab	pedro.labayen@aes.com			Date	Date/Time:	2016-05-23	2016-05-23 09:32 (Time Zone: -04:00)	e Zone: -C	4:00)	
Name: Pedro Labayen	abayen									





### REPORT OF ANALYSIS

ATTENTION:

Mr. Héctor Ávila

COMPANY:

AES Puerto Rico - Guayama

**DATE:** April 14, 2016

CONTRACT: AES - Guayama

LAB. SAMPLE ID: BEL-1601059

SAMPLE COLLECTED BY: Client (P. Labayen) TIME: 12:19PM

**SAMPLE DATE: 04/01/16** 

**DESCRIPTION:** Stormwater #003

LAB. FILE ID: 1601059

MATRIX: Water

DATE RECEIVED: 04/04/16

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1601059 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	0.205	0.005	BTR	04/08/16
Iron	200.7(ICAP)	Grab	mg/L	0.186	0.010	BTR	04/08/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	04/08/16
Zinc	200.7(ICAP)	Grab	mg/L	0.036	0.002	BTR	04/08/16

<sup>\*</sup>Standard Methods for the Examination of Water and Waste Water 20th Edition, 1999.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda, Iris M. Chévere Alfonzo

Laboratory Director Chemist License 2370

Attachment: Chain of Custody Records (1)



PAGE 1 OF 1

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS. REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES. CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING •CERTIFICATION NUMBER E87556•

CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012 192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

192 Villa Street • Ponce, P.R. 00730-4875 Tel. 787-841-7373 • Fax 787-841-7313

### CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY	Ats GMA.	
SAMPLE LOCATION/CLIEN	T ID	StormWater H	# 003 TIME 12:19 AM CONTROL NO.
SAMPLE DATE		4-1-16	BEL. NO. 1601059 103032
General Environmental:  Acidity  ( )	PC	VSS F	Sampling Witness;
Acidity ( ) Ammonia as N ( )		Bicarbonate ( )	
BOD-5 ( )		Bromide ( )	Relinquished by:
Chloride ( )		Chlorine, Res. ( )	Year Hely
COD ( )		Color (ADMI) ( )	— Date/Time: 4-4-16 11:15 AM
Conductivity µmhos/cm ( )		Color (Pt-Co) ( )	Received by:
Dissolved Oxygen ( )	-	Cyanide ( ) _	_ Received by.
Hardness ( ) Moisture % ( )	-	Fluoride ( )	
Nitrite ( )	**************************************	Nitrate ( )	Date/Time: 4-4-16 /1:15AM
Oil+Grease ( )	the contract of	Nitrate + Nitrite ( )	Relinquished by:
Phenol ( )		pH, S.U.	Ed Se
Phosphorus, Total ( )		Phosphate, Ortho ( )	
Sett Solids mg/L ( )	-	Sett. Solids mL/L ( )	Date/Time: $\mathcal{L}-\mathcal{L}-\mathcal{L}$ (3-7 PM)
Sulfate ( )		Solids, Total ( )	Received by:
Sulfite ( ) TDS ( )	as management	Sulfide ( ) Surfactant ( )	- M. 11/1
TDS ( ) Temperature, °C ( )	alternative and the second	TSS ( )	Dutte Of Children
TOC ( )	-	TKN ( )	— Date/Time: 4/4/16 1:57Pm
Asbestos ( )	***************************************	Turbidity ( )	Relinquished by:
TVS ( )	***************************************	Carbonate ( )	
Total Nitrogen ( )		-	Data/Ti
2. Metals:	)	0.1	Date/Time:
Aluminum (Al) (X		Cadmium (Cd) ( )	— Received by:
Chromium (Cr) ( )	1	Copper (Cu) (	<del>-</del>
Iron (Fe) (X) Manganese (Mn) ( )	1	Lead (Pb) /(X) _ Mercury (Hg) ( )	Date/Time:
Manganese (Mn) ( ) Nickel (Ni) ( )	-	Mercury (Hg) ( ) _ Selenium (Se) ( )	Date Into
Silver (Ag) ( )	(Management As)	Tin (Sn) ( )	Matrix
Zine (Zn) (X	I	Arsenic (As) ( )	<b>\</b>
Barium (Ba) ( )	***************************************	Boron (B) ( )	$-$ air ( ) water ( $\times$ ) sludge ( )
Antimony (Sb) ( )		Beryllium (Be) ( )	liquid ( ) soil ( ) solid ( )
Bismuth (Bi) ( )	-	Calcium (Ca) ( )	— oil ( ) mixed ( ) other ( )
Chromium, VI (CrVI) ( )		Cobalt (Co) ( )	
Magnesium (Mg) ( ) Potassium (K) ( )		Molybdenum (Mo) ( ) _ Silicon (Si) ( )	Specify:
Sodium (Na) ( )		Strontium (Sr) ( )	
Thallium (Tl) ( )		Titanium (Ti) ( )	Preservative Codes = PC
Vanadium (V) ( )		Lithium (Li) (	
		-	1. Cool,<6°C 6. Sodium Hydroxide(NaOH)
3. RCRA/Hazardous wastes		C	• • • • • • • • • • • • • • • • • • • •
Ignitability (Flash Pt.)( )		Corrosivity ( ) _	
Reactivity (CN & S) ( )	-	TCLP ( ) _ Organics-Pest/Herb ( )	3. Nitric Acid (HNO <sub>3</sub> ), pH<2 8. Ascorbic Acid
RCRA Metals ( ) Organics-BNA ( )	No. of Contrast of	Organics-Pest/Herb ( ) _ Organics-VOA ( )	4. Hydrochloric acid (HCl) 9. FAS
TOX ( )	-	Signification ( )	5. Sodium Thiosulfate 10.Other
	-		, , , , , , , , , , , , , , , , , , ,
4. Specific Organics		Phenols GC ( )	— Sample type legend:
Volatiles ( )	-	Semi-Volitiles (BNA) ( )	
Pesticides/PCB's ( )	-	PCB's Only ( )	
Herbicides ( )		TPH 418.1 ( ) _	composite samples xx
BTEX ( ) TTO & Dioxin ( )		TTO ( ) TPH 8015 ( )	Turnaround time: Sampling Equipment:
TTO & Dioxin ( )	***	Lindane ( )	
5. Microbiology		( )	1 day ( ) Automatic Sampler ( )
Fecal Coliform ( )		Total Coliform ( )	
	-	-	2 days ( ) Sample Pick Up ( )
Commanter			3 days ( )
Comments:			5 days ( )
			Note: normal turnaround time is ten (10) working days:
			additional charges apply for rush orders.

## **ATTACHMENT 2**

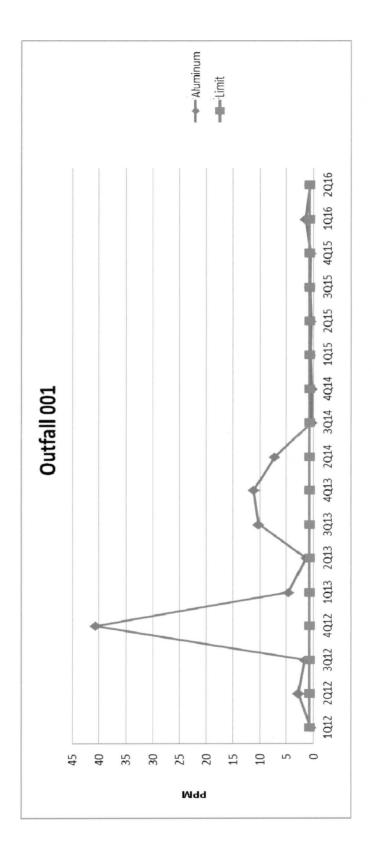
Summary of Benchmark Monitoring

AES Puerto Rico, L.P. Benchmark Monitoring Results Summary

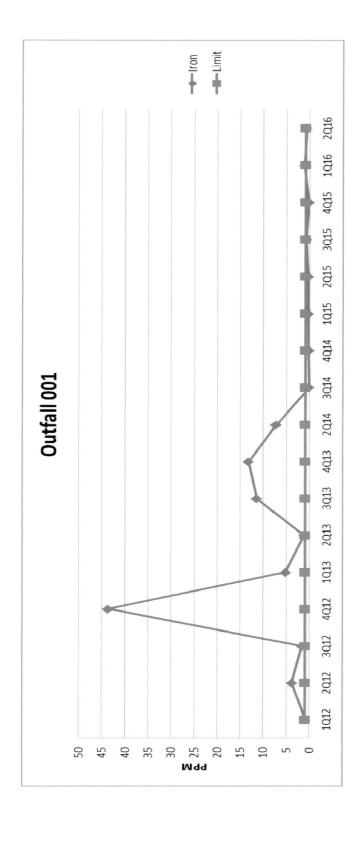
			Outfall 001	1001			Outfall 002	II 002			Outfa	Outfall 003	
Quarter	Period	Total Fe	Total Al	Total Pb	Total Zn	Total Fe	Total Al	Total Pb	Total Zn	Total Fe	Total Ai	Total Pb	Total Zn
		(1/6111)	(1/6111)	(1/6111)	(1/6111)	(i/biii)	(II/BIII)	(I/Bm)	(mg/I)	(I/Bm)	(mg/I)	(I/BW)	(I/bm)
3	JUL-SEP 2015	0.755	0.684	0.008	0.161	0.034	0.05	0.021	0.009	0.452	0.405	0.017	0.041
4	OCT-DEC 2015	0.232	0.496	0.002	0.024	0.292	0.459	0.002	0.012	0.682	1.33	0.002	0.028
1	ENE-MAR 2016	1.18	1.52	0.002	0.089	14.0	17.1	0.005	0.113	0.305	0.208	0.002	0.022
2	APR-JUN 2016	0.733	0.682	0.002	60.0	4.69	8.3	0.002	0.064	0.186	0.205	0.002	0.036
Quarterly AVERAGE	AVERAGE	0.725	0.846	0.004	0.091	4.754	6.477	0.008	0.050	0.41	0.54	0.01	0.03
Benchmark	Benchmark Concentration	1.0	0.75	0.262	0.260	1.0	0.75	0.262	0.260	1.0	0.75	0.262	0.260

ND = No Discharge

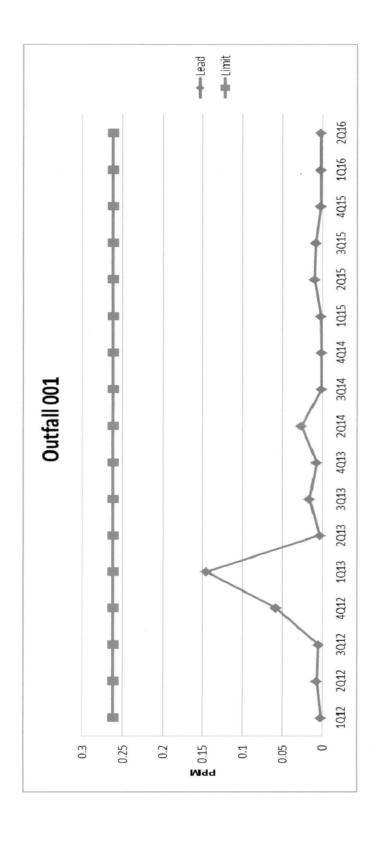
Quarterly Progress Report (QPR) No. 6 Administrative Compliance Order AES-PR Coal Fired Power Plant Docket Number CWA-02-2015-3102



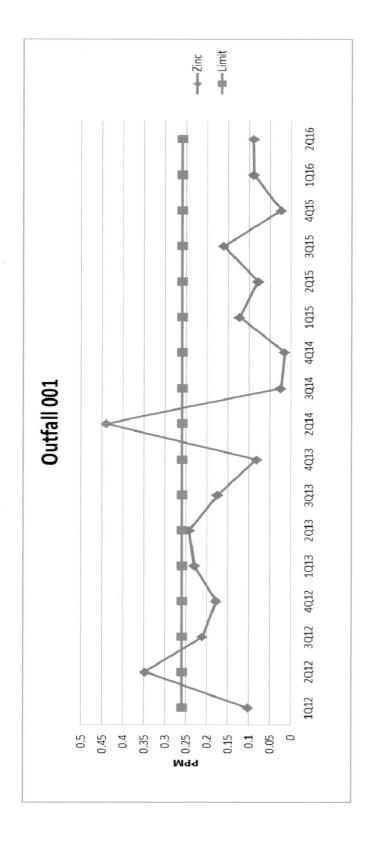
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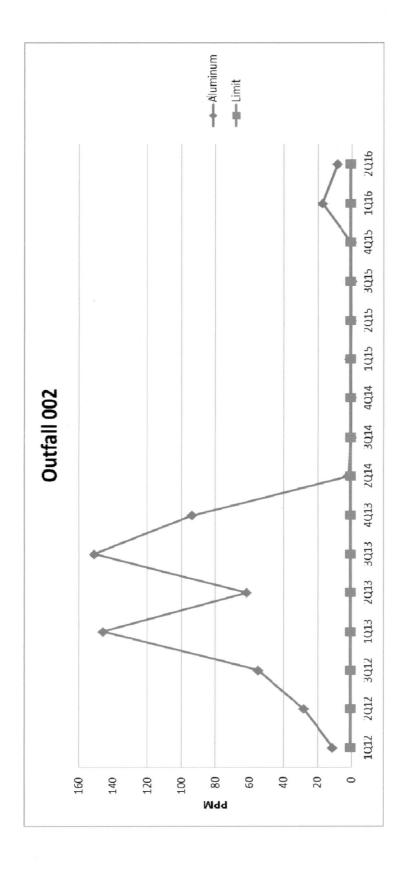
Quarterly Progress Report (QPR) No. 6 Administrative Compliance Order AES-PR Coal Fired Power Plant Docket Number CWA-02-2015-3102



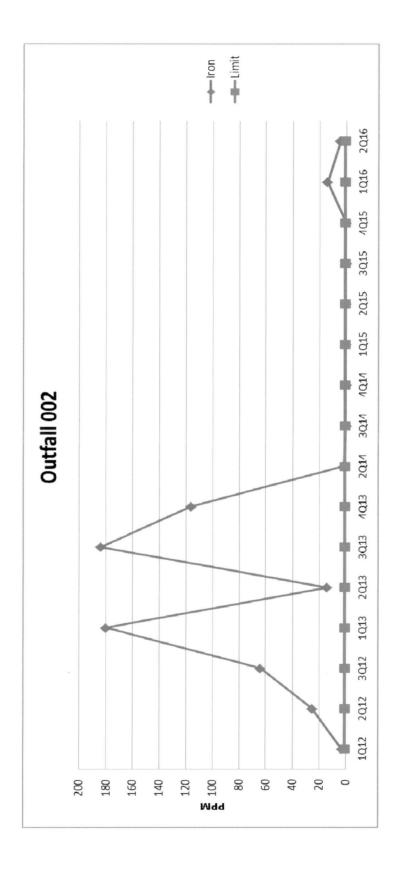
Quarterly Progress Report (QPR) No. 6 Administrative Compliance Order AES-PR Coal Fired Power Plant Docket Number CWA-02-2015-3102



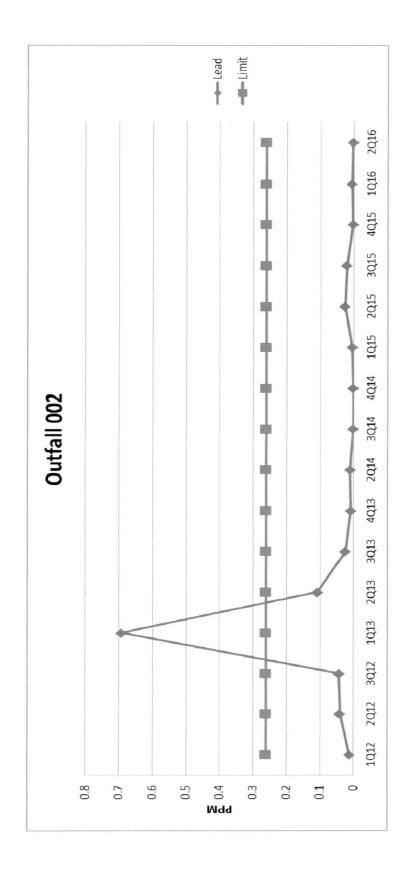
Quarterly Progress Report (QPR) No. 6 Administrative Compliance Order AES-PR Coal Fired Power Plant Docket Number CWA-02-2015-3102



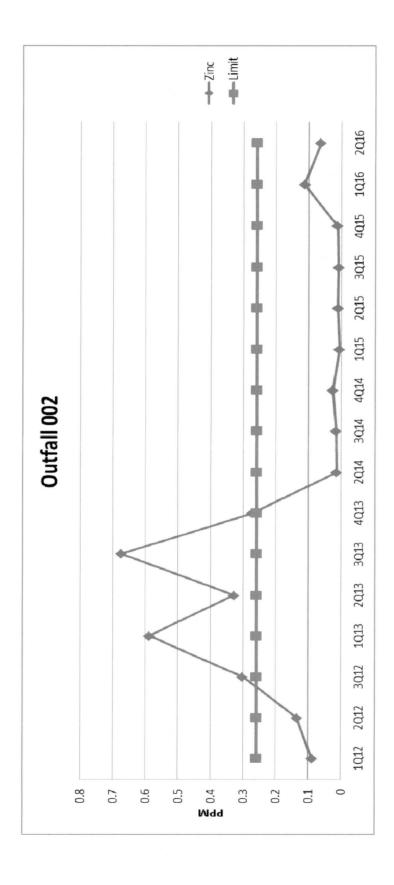
Quarterly Progress Report (QPR) No. 6 Administrative Compliance Order AES-PR Coal Fired Power Plant Docket Number CWA-02-2015-3102



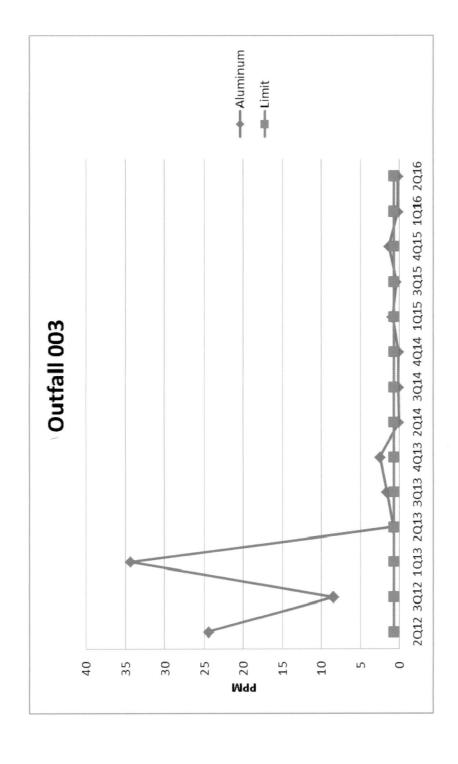
Quarterly Progress Report (QPR) No. 6 Administrative Compliance Order AES-PR Coal Fired Power Plant Docket Number CWA-02-2015-3102



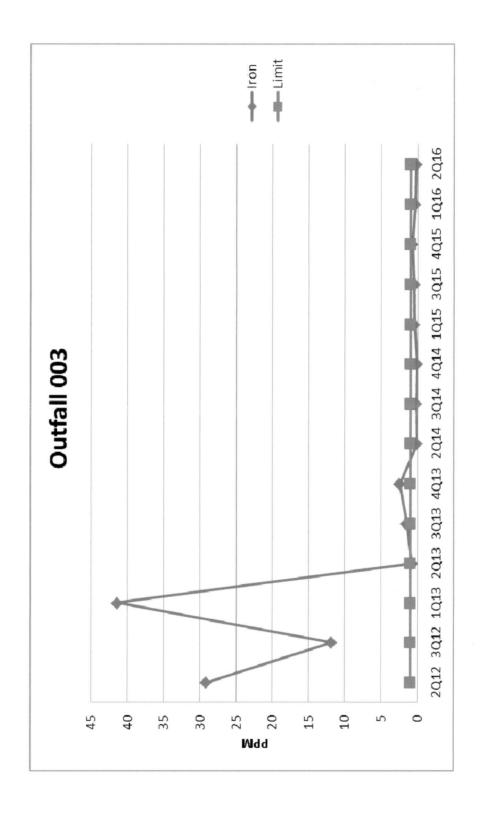
Quarterly Progress Report (QPR) No. 6 Administrative Compliance Order AES-PR Coal Fired Power Plant Docket Number CWA-02-2015-3102



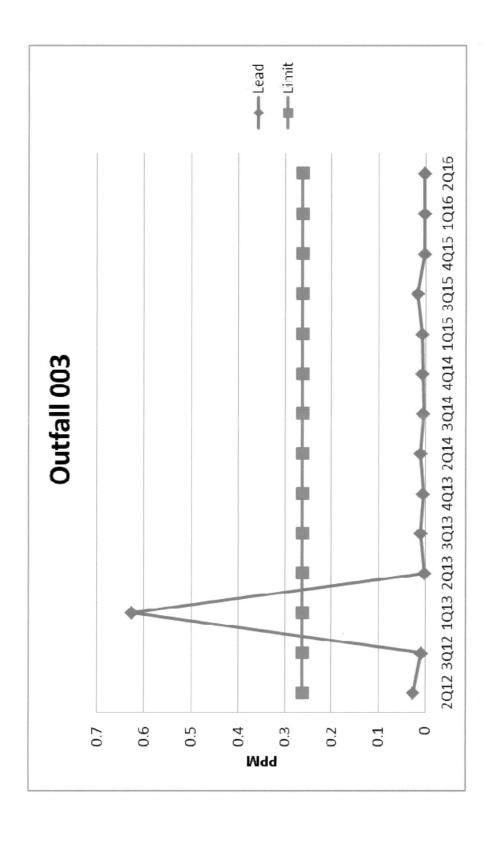
Quarterly Progress Report (QPR) No. 6 Administrative Compliance Order AES-PR Coal Fired Power Plant Docket Number CWA-02-2015-3102



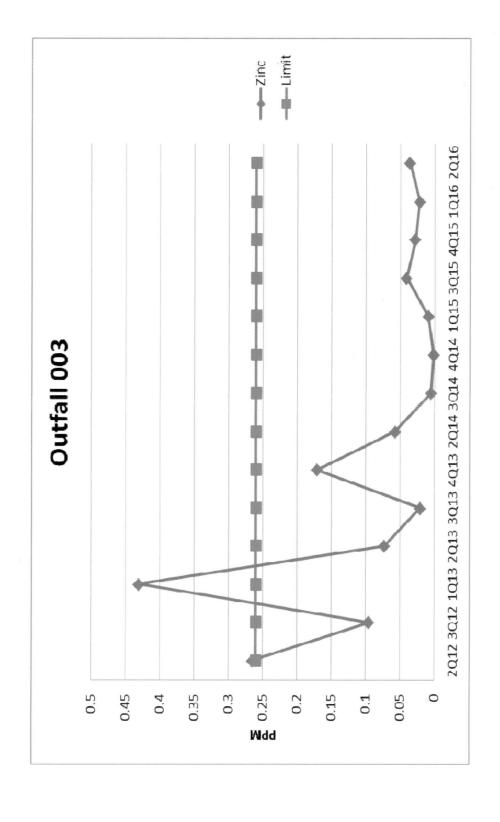
Quarterly Progress Report (QPR) No. 6 Administrative Compliance Order AES-PR Coal Fired Power Plant Docket Number CWA-02-2015-3102



Quarterly Progress Report (QPR) No. 6 Administrative Compliance Order AES-PR Coal Fired Power Plant Docket Number CWA-02-2015-3102



Quarterly Progress Report (QPR) No. 6 Administrative Compliance Order AES-PR Coal Fired Power Plant Docket Number CWA-02-2015-3102



## **ATTACHMENT 3**

Routine Inspections, Visual Inspections and Corrective Actions



#### AES Puerto Rico, LP Storm Water Pollution Prevention Plan

Worksheet No. 4 Storm Water Industrial Routine Facility Inspection Form **General Information** AES Puerto Rico, LP **Facility Name** PRR053093 NPDES Tracking No. Start/End Time 8:15 am / 11:30 am **Date of Inspection** May 26, 2016 Pedro E. Labayen Inspector's Name(s) Stormwater Compliance Coordinator Inspector's Title(s) (787) 866-8117 ext. 2215 **Inspector's Contact Information** Professional Engineer Inspector's Qualifications Weather Information Weather at time of this inspection? ☐ Sleet ☐ Fog ☐ High Winds **☑**Cloudy □ Rain ☐ Clear ☐ Other: Wind 17 mph Temperature: 82°F Have any previously unidentified discharges of pollutants occurred since the last inspection? □Yes ☑No If yes, describe: Are there any discharges occurring at the time of inspection? \( \square\$ Yes \( \square\$ No

#### **Control Measures**

If yes, describe:

- •Number the structural stormwater control measures identified in your SWPPP on your site map and list them below (add as many control measures as are implemented on-site). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
		Run-on	Control (Northeast	Area)
01	Earth berm	<b>☑</b> Yes □No	☐ Maintenance ☐ Repair ☐ Replacement	Commission character with the commission of the
02	Concrete wall	<b>☑</b> Yes □No	☐ Maintenance ☐ Repair ☐ Replacement	Contraction of the contraction o
03	Rip rap	✓Yes □No	☐ Maintenance ☐ Repair ☐ Replacement	
04	Concrete swale	✓Yes □No	☐ Maintenance ☐ Repair ☐ Replacement	atta de A
05	Run-on inlet grate	<b>☑</b> Yes □No	☐ Maintenance ☐ Repair ☐ Replacement	metry continues
06	Polymer secondary containment	<b>☑</b> Yes □No	☐ Maintenance ☐ Repair ☐ Replacement	room non-repeated W

	Structural Control	Control Measure is Operating	If No, In Need of Maintenance, Repair, or	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
ID.	Measure	Effectively?	Replacement?	
	1	Firew	ater Pump station A	Area
07	Diesel tank secondary	✓Yes □No	☐ Maintenance ☐ Repair	
"	containment	E i es uno	☐ Replacement	
			☐ Maintenance	
08	Oil / Water Separator	✓Yes □No	Repair	
			Replacement	
		Ea	st Access Road Area	
			☐ Maintenance	
09	Concrete channel	✓Yes □No	☐ Repair	
			☐ Replacement	
			☐ Maintenance	
10	Low wall	<b>☑</b> Yes □No	☐ Repair	
			☐ Replacement	
	Concrete swale next to		☐ Maintenance	
11	switch yard	<b>☑</b> Yes <b>□</b> No	☐ Repair	
	1		☐ Replacement	
		Liqu	id Urea Storage Ar	ea
12	T		☐ Maintenance	
12	Low wall	<b>☑</b> Yes <b>□</b> No	Repair	
		<del> </del>	Replacement	
13	Slope liner	☑Yes □No	☐ Maintenance	
13	Stope filler	E 1 CS TINO	☐ Repair ☐ Replacement	
		☑Yes □No	☐ Maintenance	
14	Truck secondary		Repair	
	containment		□ Replacement	
			☐ Maintenance	
15	Tank secondary	✓Yes □No	☐ Repair	
	containment		☐ Replacement	
			☐ Maintenance	
16	Concrete berm	<b>☑</b> Yes □No	☐ Repair	
			☐ Replacement	
	Concrete channel culvert		☐ Maintenance	
17	inlet	<b>☑</b> Yes <b>□</b> No	☐ Repair	
			☐ Replacement	
		(	Dil Drums Storage	
18	Covered secondary	DV DV-	☐ Maintenance	
10	containment	<b>☑</b> Yes <b>□</b> No	Repair	
			Replacement	
	I		Ash Silos- spout  ☐ Maintenance	
19	Ash silos	☑Yes □No	Repair	
17	7 ISM SHOS	E i cs = i vo	☐ Replacement	
			☐ Maintenance	
20	Spout connection	✓Yes □No	☐ Repair	
			☐ Replacement	
			☐ Maintenance	
21	Water spray nozzles	☑Yes □No	☐ Repair	
			☐ Replacement	

	AT A Some Prosper of	Control Measure is	If No, In Need of Maintenance,	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any			
ID.	Structural Control Measure	Operating Effectively?	Repair, or Replacement?	failed control measures that need replacement)			
22	Water hose	☑Yes □No	☐ Maintenance ☐ Repair				
			☐ Replacement				
Diesel Fuel Storage							
	Tank truck secondary		☐ Maintenance				
23	containment	✓Yes □No	□ Repair	in the second of			
	Contamment		☐ Replacement	the second of the second of the second of			
	Tanks secondary		☐ Maintenance				
24	containment	✓Yes □No	☐ Repair	A joint from a segment of the ash wetting pipe located			
	Contamment		☐ Replacement	inside the secondary containment should be repaired.			
	Drip pans for vehicle /		☐ Maintenance	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
25	equipment fueling	<b>☑</b> Yes <b>□</b> No	☐ Repair				
	equipment ruening		☐ Replacement				
		A	GREMAX Stockpile	100			
			☐ Maintenance				
26	Gabion wall	<b>☑</b> Yes <b>□</b> No	Repair				
			Replacement				
	10.0	<b>-</b>	☐ Maintenance				
27	10 feet buffer zone	✓Yes □No	Repair				
			Replacement				
20	T		☐ Maintenance	$A^{-1} = A^{-1} + A$			
28	Low wall	<b>☑</b> Yes □No	Repair				
			☐ Replacement☐ Maintenance				
22	Covered comments	Myss DNs					
32	Covered conveyors	<b>☑</b> Yes <b>□</b> No	☐ Repair☐ Replacement				
			☐ Maintenance				
35	Wheel wash	☑Yes □No	□ Repair	Wheel and an arit med and other placed decrees were			
33	Wheel wash	E i es uno	□ Replacement	Wheel washer exit road and other selected areas were restored with asphalt.			
			☐ Maintenance	restored with aspirate.			
37	Concrete channel	☑Yes □No	☐ Repair				
37	Concrete charmer	2103 2110	☐ Replacement				
			Gate #3				
			☐ Maintenance	19/20/19/19			
39	Road grating (2)	<b>☑</b> Yes □No	☐ Repair				
			☐ Replacement	And agent to the proof of the second of the			
			☐ Maintenance	so life			
40	Curb	<b>☑</b> Yes <b>□</b> No	☐ Repair				
	1		☐ Replacement				
			☐ Maintenance	12			
41	Curb riprap	✓Yes □No	☐ Repair	The rip rap was restored with new gabion stones.			
			☐ Replacement	Also, a new liner was installed on the improved area.			
			☐ Maintenance				
42	Slope liner	✓Yes □No	Repair				
		171	Replacement				
4.0	0 (0.11)	FW DV	☐ Maintenance				
43	Outfall riprap	<b>☑</b> Yes <b>□</b> No	☐ Repair ☐ Replacement	the straining of the st			
	1	1	i 🗀 Kepiacement	4.1 LE 1970 - WAR STOCK			

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
.44	Sampling Point Outfall 002	☑Yes □No	☐ Maintenance ☐ Repair ☐ Replacement	
45	Concrete wall	<b>☑</b> Yes □No	<ul><li>☐ Maintenance</li><li>☐ Repair</li><li>☐ Replacement</li></ul>	
	_	AGREMA	X Stockpile Perime	ter Road
48	Gravel cover	<b>☑</b> Yes □No	<ul><li>☐ Maintenance</li><li>☐ Repair</li><li>☐ Replacement</li></ul>	
49	Concrete channel	<b>☑</b> Yes □No	<ul><li>☐ Maintenance</li><li>☐ Repair</li><li>☐ Replacement</li></ul>	
50	Low wall	<b>☑</b> Yes □No	<ul><li>☐ Maintenance</li><li>☐ Repair</li><li>☐ Replacement</li></ul>	
51	Run on outfall	□Yes □No	☐ Maintenance ☐ Repair ☐ Replacement	
			Coal Stockpile	
52	Runoff pond	<b>☑</b> Yes □No	<ul><li>☐ Maintenance</li><li>☐ Repair</li><li>☐ Replacement</li></ul>	
53	Super silt fence	<b>☑</b> Yes □No	<ul><li>☐ Maintenance</li><li>☐ Repair</li><li>☐ Replacement</li></ul>	
54	Sediment trap	<b>☑</b> Yes □No	<ul><li>☐ Maintenance</li><li>☐ Repair</li><li>☐ Replacement</li></ul>	
55	Concrete swale	<b>☑</b> Yes □No	<ul><li>☐ Maintenance</li><li>☐ Repair</li><li>☐ Replacement</li></ul>	·
56	Wheel washer	☑Yes □No	<ul><li>☐ Maintenance</li><li>☐ Repair</li><li>☐ Replacement</li></ul>	
57	Riprap in channel and slopes	<b>☑</b> Yes □No	<ul><li>☐ Maintenance</li><li>☐ Repair</li><li>☐ Replacement</li></ul>	
		Heavy Eq	uipment Maintenan	ce Shop
61	Floor grating	<b>☑</b> Yes □No	<ul><li>☐ Maintenance</li><li>☐ Repair</li><li>☐ Replacement</li></ul>	
62	Oil / Water Separator	☑Yes □No	☐ Maintenance ☐ Repair ☐ Replacement	The floor water drainage system must be cleaned. A notification to the maintenance personnel was made in order to coordinate the work.  Notification #: 1000459145
63	Used oil storage tank and drums secondary containment	☑Yes □No	☐ Maintenance☐ Repair☐ Replacement	
64	Recyclable metals roll-off container cover	□Yes □No	☐ Maintenance☐ Repair☐ Replacement	No containers available at this time.

		Control	If No, In Need of	Corrective Action Needed and Notes
	Structural Control	Measure is Operating	Maintenance,	(identify needed maintenance and repairs, or any failed control measures that need replacement)
ID.	Measure	Effectively?	Repair, or Replacement?	raned control measures that need replacement)
ш.	ivicasure		use / Urea Storage B	l Puilding
	1	wai eno	☐ Maintenance	l :
65	Access road gravel cover	✓Yes □No	Repair	
05	recess road graver cover	E i cs Eino	☐ Replacement	
			☐ Maintenance	
66	Earthen berm on west side	☑Yes □No	Repair	17.100
	Bartier serin on west side	<b>2</b> 1 65 <b>2</b> 110	Replacement	11117 400
			☐ Maintenance	
67	Low wall on north side	☑Yes □No	Repair	PO CHANADOO
			Replacement	
			☐ Maintenance	
68	Trapezoidal swale	✓Yes □No	☐ Repair	, / / / / / / / / / / / / / / / / / / /
	1		☐ Replacement	
		Open A	rea West of Cooling	Tower
			☐ Maintenance	17.76.1
69	Gravel cover	✓Yes □No	☐ Repair	
			☐ Replacement	
			☐ Maintenance	
70	Slope liners	✓Yes □No	☐ Repair	10.08
			☐ Replacement	
	•		Cooling Tower	HALL as YES 1 (flav) atmosphilis
	S 1		☐ Maintenance	
71	Secondary containment	☑Yes □No	☐ Repair	
	dike		☐ Replacement	CONTRACTOR CONTRACTOR
		-	Water Treatment	
	Cl. 1 11 - CC :		☐ Maintenance	
72	Sludge roll- off container	□Yes <b>☑</b> No	☑ Repair	The concrete berm used to divert stormwater toward grating was damaged. A notification (#10004549146) was made in
	inside clean grating		☐ Replacement	order to coordinate the work.
	Soda ash silo secondary		☐ Maintenance	
73	containment	☑Yes □No	☐ Repair	- 17 The Table State (that) the family the state of
	Contamment		☐ Replacement	
	Acid / caustic tank truck		☐ Maintenance	
74	unloading secondary	<b>☑</b> Yes □No	☐ Repair	
	containment		☐ Replacement	2 L so 192 the manancia of the contract of the
		Access	Road West of Power	Plant
			☐ Maintenance	
75	Catch basin inserts	<b>☑</b> Yes <b>□</b> No	☐ Repair	
			☐ Replacement	
			☐ Maintenance	
76	Curb inlet	<b>☑</b> Yes <b>□</b> No	☐ Repair	
			☐ Replacement	
	Concrete berm w/ shallow		☐ Maintenance	
77	gutter and curb inlet	<b>☑</b> Yes <b>□</b> No	☐ Repair	
	gatter and care inict		☐ Replacement	
	Mercury control chemicals		☐ Maintenance	
78	covered storage dike	✓Yes □No	☐ Repair	
	covered storage dike		☐ Replacement	
		Stor	m Water Runoff Po	nd
			☐ Maintenance	
80	Concrete weir	<b>☑</b> Yes <b>□</b> No	☐ Repair	
			☐ Replacement	

Maintenance   Gléentify needed maintenance and repairs, or any failed control measures that need replacement			Control	If No, In Need of	Corrective Action Needed and Notes
Structural Control   Measure   Effectively?   Replacement?   Maintenance   Repair   Replacement   Replacement			Measure is		(identify needed maintenance and repairs, or any
Measure   Effectively?   Replacement?		Structural Control	Operating		failed control measures that need replacement)
Riprap channel	ID.				
Replacement   Replacement   Maintenance   Repair   Replacement					
Replacement	81	Riprap channel	✓Yes □No	☐ Repair	
Sediment accumulation control   Maintenance   Repair   Replacement					
Control     Control     Control		6.1'			
Control	82	l .	☑Yes □No	☐ Repair	
Chemicals secondary containment		control		☐ Replacement	
Containment		Character to a second and		☐ Maintenance	
Containment	83		✓Yes □No	☐ Repair	
Road North of Coal Pile Runoff Pond		containment			
Source   S			Road Nor	th of Coal Pile Runo	off Pond
Replacement   Maintenance				☐ Maintenance	
Replacement   Maintenance   Repair   Replacement	85	Coal pile runoff pond	✓Yes □No	☐ Repair	
Sampling Point Outfall 003   Yes   No   Maintenance   Repair   Replacement				1 -	
Replacement					
Replacement	86	Low wall	✓Yes □No	☐ Repair	
Riprap in channel and slopes					
Repair   Replacement   Replacement		B: : 1 1 1			
Replacement   Maintenance   Repair   Replacement	87	1	☑Yes □No		
Maintenance   Repair   Replacement		slopes			
88 Concrete wall  89 Concrete beam  89 Concrete beam  Sampling Point Outfall 003  Pier secondary containment  90 Pier secondary containment  91 Sampling Point Outfall 001  Pier Secondary containment  92 Conveyor TCI  89 Conveyor TCI  Repair   Maintenance   Repair   Replacement    Maintenance   Repair    Replacement    Maintenance   Repair    Replacement    Maintenance   Repair    Replacement    Maintenance   Repair    Replacement    Maintenance   Repair    Replacement    Maintenance    Repair    Replacement    Maintenance    Repair    Replacement    Maintenance    Repair    Replacement    Maintenance    Repair    Replacement    Maintenance    Repair    Replacement    Maintenance    Repair    Replacement    Maintenance    Repair    Replacement    Maintenance    Repair    Replacement    Maintenance    Repair    Replacement    Maintenance    Repair    Replacement    Maintenance    Repair    Replacement    Maintenance    Repair    Replacement    Maintenance    Repair    Replacement    Maintenance    Repair    Replacement    Maintenance    Repair    Replacement    Maintenance    Repai					
Replacement   Maintenance   Repair   Replacement	88	Concrete wall	☑Yes □No	1	
Maintenance   Repair   Replacement					
Sampling Point Outfall 003   Yes   No   Repair   Replacement   Maintenance   Repair   Replacement					
Replacement	89	Concrete beam	☑Yes □No		
Maintenance   Repair   Replacement					
Box culvert					
Replacement   Replacement   Maintenance   Maintenance   Repair   Replacement   Maintenance   Repair   Replacement   Replaceme	90	Box culvert	☑Yes □No		
Sampling Point Outfall 003					
Sampling Point Outfall 003					
Replacement   Replacement   Notification was made. Notification: #1000461154.	91	Sampling Point Outfall 003	□Yes <b>☑</b> No	1	
Marine Dock  92 Collection manifold					
92 Collection manifold  Yes No Repair Replacement  93 Pier secondary containment  Yes No Repair Replacement					
92 Collection manifold  Yes No Repair Replacement  93 Pier secondary containment  Yes No Repair Replacement					
Pier secondary containment   Maintenance   Repair   Replacement   Repl	92	Collection manifold	☑Yes □No	1	
Pier secondary containment  Yes No Repair Replacement  Sampling Point Outfall 001  Yes No Repair Replacement  Replacement  Repair Replacement					
93 Pref secondary containment					
Containment   Replacement   Maintenance   Repair   Replacement   Replacement   Repair   Replacement   Replacemen	93		☑Yes □No		
94 Sampling Point Outfall 001		containment			
94 Sampling Point Outfall 001					
□ Replacement □ Maintenance 95 Conveyor TCI □ Yes □ No □ Repair	94	Sampling Point Outfall 001	☑Yes □No		*
95 Conveyor TCI			<b>1</b> 103 <b>1</b> 100		
95   Conveyor TCI					
	95	Conveyor TCI	☑Yes □No		

# Areas of Industrial Materials or Activities exposed to stormwater

Below are some general areas that should be assessed during routine inspections. Customize this list as needed for the specific types of industrial materials or activities at your facility.

livery (	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
1	Material loading/unloading and storage areas (Agremax, limestone, coal storage)	✓Yes □No □ N/A	
2	Heavy equipment operations and maintenance areas	☑Yes □No □ N/A	
3	Fueling areas (heavy equipment fueling and storage tank unloading)	☑Yes □No □ N/A	
4	Outdoor vehicle and equipment washing areas	✓Yes □No □ N/A	Ping
5	Waste handling and disposal areas	✓Yes □No □ N/A	
6	Erodible stockpiles (coal, Agremax)	✓Yes □No □ N/A	. 145 1 2 2 107
7	Non-stormwater/ illicit connections	□Yes □No ☑ N/A	
8	Dust generation and vehicle tracking	✓Yes □No □ N/A	
9	Water Treatment Area	☑Yes □No □ N/A	
10	Power Block Area	✓Yes □No □ N/A	
11	Administration Building Area	<b>☑</b> Yes □No □ N/A	
12	2 Million- gallon and 18 Million- gallon Pond Area	☑Yes □No □ N/A	
13	Marine Dock Area	☑Yes □No □ N/A	
14	Stormwater Sample Point 001	☑Yes □No □ N/A	
15	Stormwater Sample Point 002	☑Yes □No □ N/A	
16	Stormwater Sample Point 003	☑Yes □No □ N/A	
17	Run-on storm water conveyance system	☑Yes □No □ N/A	

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
18	Run-off storm water conveyance system	☑Yes □No □ N/A	The state of the s
19	Process water conveyance system	☑Yes □No □ N/A	
20	CDS/ESP Area	☑Yes □No □ N/A	
21	Polymer application at 2 MM-gallon pond area	☑Yes □No □ N/A	
22	18 MM-gallon Pond Transfer Pumps	☑Yes □No □ N/A	
23	Coal Crusher Building	☑Yes □No □ N/A	
24	Portable Toilets	☑Yes □No □ N/A	

Notes							
Jse this space for any additional notes or observations from the inspection:							
	- 1						

#### **CERTIFICATION STATEMENT**

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Pedro E. Labayen / Env. Coord.

Signature: Hello & John Date: 1

Date: May 26, 2016



MSC	GP Quarterly Visual Assessment Form	Worksheet No. 6					
I	(Complete a separate form for each outfall you assess)						
Name of Facility: AES Puerto Rico, L.P.	NPDES Tracking No. PRR053093						
Outfall Name: 001 "Substantially Identical O	Outfall"? ⊠ No ☐ Yes						
Person(s)/Title(s) collecting sample: Pedro E. Labayen							
Person(s)/Title(s) examining sample: Pedro E. Labayen	n / Storm Water Compliance Coordinator						
Date & Time Discharge Began: (4/1/16 5:47am)  Date	& Time Sample Collected: (4/1/16 5:51am) Date & Tir	me Sample Examined: (4/1/16 2:30pm)					
Substitute Sample? No 🔲 Yes (identify quarter	/year when sample was originally scheduled to be collect	ted):					
Nature of Discharge: X Rainfall  Snowmelt							
	ous Storm Ended > 72 hours Yes No* e Start of This Storm?						
	Parameter						
Color None Other (describe):							
Odor None Musty Sewage Solvents Other (describe):	Sulfur Sour Petroleum/Gas						
Clarity 🛛 Clear 🔲 Slightly Cloudy 🔲 Cloud	y 🔲 Opaque 🔲 Other						
Floating Solids No Yes (describe):							
Settled Solids**   No  Yes (describe):							
Suspended Solids No Yes (describe):							
am (gently shake sample) 🛛 No 🗌 Yes (describ	pe):						
Oil Sheen ⊠ None ☐ Flecks ☐ Globs ☐ Sh ☐ Other (describe):	een Slick						
Other Obvious Indicators of No Yes (description) Yes No	cribe):						
Sampling not performed due to no measurable store	m event occurring that resulted in a discharge durin	g the monitoring quarter:					
No  ☐ Yes (describe):							
* The 72-hour interval can be waived when the previous storm than a 72-hour interval is representative of local storm events d	did not yield a measurable discharge or if you are able to docu furing the sampling period.	ment (attach applicable documentation) that less					
** Observe for settled solids after allowing the sample to sit for	approximately one-half hour.						
Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary).							
Certification by Facility Responsible Official (Refer to MSG	P Subpart 11 Appendix B for Signatory Requirements)						
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.							
A. Name: Pedro E. Labayen / Env. Com. 1	B. Title: Stormwater Compliance						
C. Signature: Veru Kly	D. Date Signed: 4/4/201	6					



		MSGP Quarterly V	isual Assessme	nt Form	Worksheet No. 6
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		(Complete a separate f	orm for each outfall you ass		
Name of Facility:	AES Puerto Rico, L.P.		-	PRR053093	
Outfall Name: 002	"Substantially Idea	ntical Outfall"? 🛛 No	☐ Yes		
lana .	llecting sample: Pedro E. La	-			
Person(s)/Title(s) ex	amining sample: Pedro E. L	abayen / Stormwater Comp	liance Coordinator		
	e Began: 4/1/16 (9:36 AM)	Date & Time Sample Collect		Date & Time Sample Exam	ined: 4/1/16 (2:40 PM)
Substitute Sample?	No ☐ Yes (identify and identify and identification are also and identification and identification are also and identification and identification are also and identification are also and identification are also and identification are also are also and identification are also are also and identification are also ar	quarter/year when sample v	vas originally schedule	ed to be collected):	
Nature of Discharge:		t			
lf rainfall: Rainfall Ar	mount: 0.13 inches	Previous Storm Ended > 7. Before Start of This Storm?		☐ No*	
. 5		Pa	rameter		
Color None	Other (describe):		_		
Odor 🛭 None 🗌 Solven	☐ Musty ☐ Sewage Its ☐ Other (describe):	Sulfur Sour	Petroleum/Gas		
Clarity   Clear		Cloudy   Opaque	Other		
Floating Solids	No Yes (describe)				
	☐ No ☐ Yes (Soil erosio	n from uncovered areas at the	curved rip rap and publi	c dirty road were observed. Grating	g inlet protection "drain guards"
		s will be repaired as a Correcti	ve Action.)		
	☐ No    Yes (describe) ample)    No    Yes (				
Oil Sheen None					
☐ Othe	r (describe):	Sheen			
Other Obvious Indicat Stormwater Pollution	tors of 🛛 No 🔲 Ye	s (describe):			
Sampling not perform	ed due to no measurable sto	rm event occurring that res	ulted in a discharge d	uring the monitoring quarter:	
No ☐ Yes (des)			·	J 1	
than a 72-nour interval is	an be waived when the previous s representative of local storm e dids after allowing the sample to	vents during the sampling peri	od.	re able to document (attach applic	able documentation) that less
were informed about the	problem and coordinated corre	ile must be cleaned to remove ctive actions. Some inlet filters	accumulated sediments installed at the grating le	e actions taken below (attach and maintain adequate soil erosio ocated at Gate #3 must be replace	n control The COD
Certification by Facility	Responsible Official (Refer t	o MSGP Subpart 11 Appendi	x B for Signatory Requ	uirements)	
directly responsible for g	any uamered and evaluated the	information submitted. Based ormation submitted is, to the h	on my inquiry of the pers	rvision in accordance with a syster son or persons who manage the sylbelief, true, accurate, and completing violations.	rotom orthogonarius
A. Name: Pedro E. Labay	yen/Env. Coord		B. Title: Stormwate	r Compliance Coordinator	
Signature: Will A	ly		D. Date Signed:	1/4/2016	



<b>h</b>		MSGP Quarterly Visu	al Assessme	nt Form	Worksheet No. 6		
Y		(Complete a separate form f		•			
Name of Facility:	AES Puerto Rico, L.P.		racking No.	PRR053093			
Outfall Name: 003	"Substantially Idea	ntical Outfall"? 🛛 No	Yes				
Person(s)/Title(s) co	illecting sample: Pedro E. La	bayen					
Person(s)/Title(s) ex	amining sample: Pedro E. L	abayen / Stormwater Complia	nce Coordinator	•			
Date & Time Discharge	e Began:04/1/2016 (12:17pm)	Date & Time Sample Collected: (	4/1/2016 (12:19pm	) Date & Time Sample Exa	mined: 04/1/2016 (2:50pm)		
Substitute Sample?	No ☐ Yes (identify example)	quarter/year when sample was	riginally schedule	ed to be collected):			
Nature of Discharge:				•			
lf rainfall: Rainfall Ar	mount: 0.21 inches	Previous Storm Ended > 72 ho Before Start of This Storm?	urs 🗌 Yes	No* Although, a rain st not generated a discharge (I	orm occurred 24hr. before, it did No measurable storm event).		
_		Param	eter				
Color None	Other (describe):						
Odor None	☐ Musty ☐ Sewage ats ☐ Other (describe):	Sulfur Sour P	etroleum/Gas				
Clarity 🛛 Clear	☐ Slightly Cloudy ☐	Cloudy	ner				
Floating Solids	No Yes (describe)	:					
Settled Solids**	No Yes (describe)	:					
Suspended Solids	No Tyes (describe)						
m (gently shake s	sample) 🛛 No 🔲 Yes (	describe):					
	e  Flecks  Globs  r (describe):	Sheen Slick					
Other Obvious Indica Stormwater Pollution	tors of 🛛 No 🗌 Ye	s (describe):					
Sampling not perfor	med due to no measurable	e storm event occurring that	resulted in a dis-	charge during the monitori	ng quarter:		
☑ No ☐ Yes (de							
* The 72-hour interval ca than a 72-hour interval is	an be waived when the previous s representative of local storm o	storm did not yield a measurable events during the sampling period.	ischarge or if you a	re able to document (attach app	blicable documentation) that less		
** Observe for settled so	olids after allowing the sample to	sit for approximately one-half hou					
Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary).							
Certification by Facility	Responsible Official (Refer t	o MSGP Subpart 11 Appendix B	or Signatory Regu	uirements)			
Certification by Facility Responsible Official (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements)  I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.							
A. Name: Pedro E. Laba	yen:		B. Title: Stormwate	er Compliance Coordinator			
C. Signature: Ldd	o Loby		D. Date Signed:	1/4/2016			

# Corrective Action Documentation - 2<sup>nd</sup> Quarter 2016

#### Instructions:

Within 24 hours of becoming aware of a condition identified in Parts 4.1 or 4.2 of the 2015 MSGP, document the existence of the condition and subsequent actions. Note that this information must be summarized in the annual report (as required in Part 7.5 of the 2015 MSGP).

# **Corrective Action #1**

**Description of Condition**: The rip rap located at the south side of the facility (Gate #3) should be cleaned and improved in order to reduce potential erosion.

Date: April 1, 2016

**Immediate Actions**: The CCP personnel were informed about the problem and coordinated corrective actions immediately.

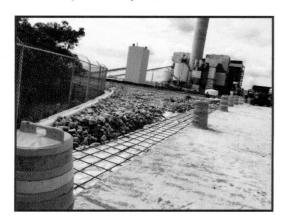
Actions Taken within 14 Days: The following actions were completed:

- Different contractor's quotations were obtained for evaluation.
- Quotations were evaluated by the CCP personnel.
- An external contractor was selected to complete the work.

**14 Day Infeasibility**: This work will be performed by an external contractor and requires quotation evaluation by AES PR, coordination with internal personnel and aggregate stone delivery to plant.

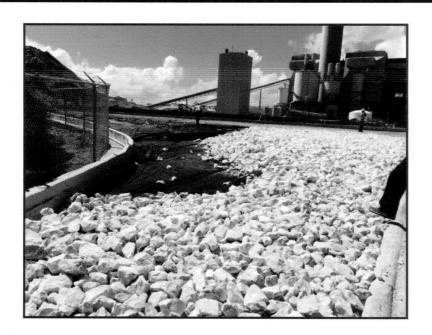
45 Day Extension: N/A

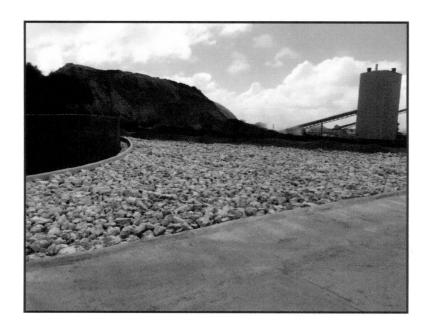
Date Completed: May 16, 2016





Quarterly Progress Report (QPR) No. 6 Administrative Compliance Order AES-PR Coal Fired Power Plant Docket Number CWA-02-2015-3102





# **Corrective Action #2**

**Description of Condition**: Wheel washer exit road needed improvements.

Date: April 1, 2016

**Immediate Actions**: The CCP personnel were informed about the problem and coordinated corrective actions immediately.

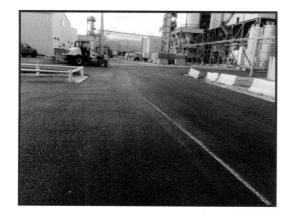
Actions Taken within 14 Days: The following actions were completed:

- The scope of project was determined.
- Different contractor's quotations were evaluated.
- The ash removal and truck traffic were temporary suspended in the area until termination of road amendments.

**14 Day Infeasibility**: This project requires installation of asphalt on the wheel washer exit road and other selected areas. This involves capital investment and coordination with the CCP operational area in order to not affect regular operations.

45 Day Extension: N/A

Date Completed: May 16, 2016





Quarterly Progress Report (QPR) No. 6 Administrative Compliance Order AES-PR Coal Fired Power Plant Docket Number CWA-02-2015-3102





# **Corrective Action #3**

**Description of Condition**: The concrete berm used to divert stormwater toward grating at the softener area was damaged. A notification (#10004549146) was made in order to coordinate reparation.

Date: May 26, 2016

**Immediate Actions**: Operations personnel were informed about the problem and coordinated corrective actions immediately.

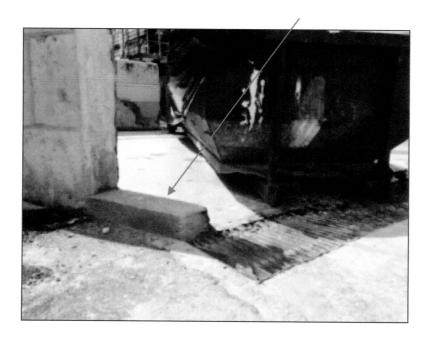
Actions Taken within 14 Days: The following actions were completed:

- The scope of project was determined.
- A plant external contractor's proposal was requested.

14 Day Infeasibility: This work will be performed by an external contractor and required evaluation, selection and coordination.

45 Day Extension: N/A

Date Completed: June 13, 2016



### Quarterly Progress Report (QPR) No. 6 Administrative Compliance Order AES-PR Coal Fired Power Plant Docket Number CWA-02-2015-3102

# Corrective Action #4

**Description of Condition**: The automatic sampler "sunkeeper" and water sensor cable must be replaced. A notification was made in order to coordinate the work. Notification: #1000461154.

Date: May 26, 2016

**Immediate Actions**: Instrumentation / Electrical personnel were informed about the problem and coordinated corrective actions immediately.

Actions Taken within 14 Days: N/A

14 Day Infeasibility: N/A

45 Day Extension: N/A

Date Completed: June 8, 2016

